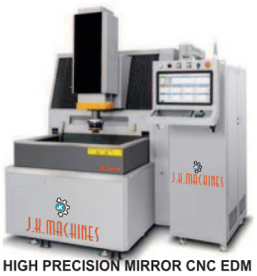
# OUR PRODUCTS RANGE



CNC EDM NEXT GEN V1.1 (Pg. No. 03)



HIGH PRECISION MIRROR CNC EDM
AUTOMATIC LIFTING OIL TANK (Pg. No. 04)



CNC EDM (Pg. No. 05)



CNC EDM (Pg. No. 06)



ZNC EDM DC SERVO (Pg. No. 07)



ZNC EDM AC SERVO (Pg. No. 08)



DRILL EDM NEXT GEN (Pg. No. 09)



CNC DRILL EDM (Pg. No. 10)



WIRE CUT EDM STEPPER (Pg. No. 11)



WIRE CUT EDM SERVO (Pg. No. 12)



MOULD LASER WELDING (Pg. No. 13)



LASER MARKING/ENGRAVING
MICRO TIG WELDINNG (Pg. No. 14)



CNC ENGRAVING (Pg. No. 15 & 16)



CNC ENGRAVING (Pg. No. 15 & 16)



CNC WOOD ROUTER (Pg. No. 17)



CUTTER GRINDER'S (Pg. No. 18)



DIGITAL READOUT (Pg. No. 19)



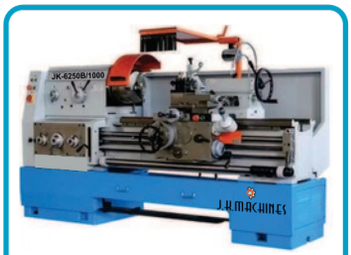
CONSUMABLES/SPARES (Pg. No. 20)



VERTICAL TURRET MILLING (Pg. No. 21)




HYDRAULIC SURFACE GRINDER (Pg. No. 22)



ALL GEARED LATHE (Pg. No. 23)



RADIAL DRILL MACHINE (Pg. No. 24)



VERTICAL MOULDING (Pg. No. 25)




ELECTRICAL SCOOTY (Pg. No. 26)

# CNC WIRECUT (AC SERVO)

## Salient Features

- "C" structure, "I" shape machine bed same as brass WEDM structure
- Reusable reciprocating technology
- Linear Guide & Ball Screw for X, Y, U, V, Z Axis & Wire Drum
- Special industrial computer with LCD color display
- Panasonic/Mitsubishi AC servo motors with close loop feedback on X,Y Axis
- Die electric tank with paper filter
- Multi cut, Multi cavity
- AutoCut controller system based on Window XP
- Automatic centerlised lubrication system
- Automatic wire tension system
- Motorized Z axis on L. M. guide
- LED working lamp
- Program input from USB, LAN online Incremental, Absolute command
- Linear & Circular interpolation
- Steps error, backlash error compensation
- Display of machining time & cutting rate
- 2D/3D graphic simulation of wire path
- Display of operator help & error massage
- Simultaneous control of X,Y,U,V axis
- Single block execution
- Rotation/mirror of program
- Automatic center find, Edge find
- Wire brake protection mode
- Auto gap short recovery
- Alarm light
- Resumption of cutting from power fail position




## Optional Accessories

- Bigger Taper
- Higher Z Height
- Magnetic Filter
- U & V Servo

## Standard Accessories

- Wire Right Angle Block
- Drum Handle
- Molybdenum Wire
- DIC 206 Fluid
- Tool Kit
- Allen Keys
- Leveling Pads
- Spanner
- Scissor

## Job Sample



| Specification | Unit | ECO-35S | ECO-45S | ECO-50S | ECO-63S | ECO-80S |
|---|---|---|---|---|---|---|
| Work Table Travel | mm | 350 x 400 | 450 x 550 | 500 x 630 | 630 x 800 | 800 x 1000 |
| Work Table Size | mm | 550 x 800 | 570 x 880 | 650 x 1000 | 850 x 1350 | 980 x 1580 |
| Max. Workpiece Thickness | mm | 300 | 300 | 300 | 400 | 400 |
| Max. Taper Angle | °/mm | ±3°/80 (±6°/100 & ±10°/120 Optional) | | | | |
| Max. Cutting Speed | $mm^2/mm$ | 300 | | | | |
| Positional Accuracy | mm | ±0.005 | | | | |
| Max. Working Current | amp | 10 | | | | |
| Optimum Roughness | µ Ra | 1.50 Single Cut & 0.60 Multiple cutting | | | | |
| Range of Wire Diameter | mm | 0.12 - 0.25 | | | | |
| Wire Traveling Speed | m/mm | 5 - 11 | | | | |
| Max. Workpiece Weight | kg | 300 | 400 | 600 | 800 | 1500 |
| Working Liquid | | DM Water | | | | |
| Input Power Supply | volt | 3 Phase, AC415V/50Hz | | | | |
| Power Consumption | kVA | 2.5 | | | | |
| Machine Dimension | mtr | 1.8x1.7x1.9 | 1.9x1.8x1.9 | 2.0x2.0x2.0 | 2.4x2.6x2.5 | 2.5x2.1x2.0 |
| Machine Weight | kg | 1800 | 2100 | 2700 | 4500 | 6500 |

**Corporate Office cum Showroom :**
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# J.K. MACHINES

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